

Application No. 10/526,202
Paper Dated August 24, 2006
In Reply to USPTO Correspondence of February 7, 2006
Attorney Docket No. 0388-050627

AMENDMENTS TO THE SPECIFICATION

Please replace the paragraph beginning at page 1, line 11, with the following rewritten paragraph:

-- As shown in ~~Fig. 10~~ Figs. 10 (a), 10 (b) and 10 (c), the above connector is used, for example, in a bending part (hinged part) of a folding type cell phone for connecting printed circuit boards in an upper case and a lower case. Specifically, in Example 1 in Fig. 10 (b), male connectors attached to the opposite ends of an FPC are inserted in female connectors with terminals thereof soldered to ends of the circuit boards in the respective cases (see Japanese Patent Publication "Kokai" No. 9-82439 (pages 4-6, Figs. 1-14), for example). In Example 2 in Fig. 10 (c), electrodes formed at opposite ends of an FPC are inserted in female connectors with terminals thereof soldered to ends of the circuit boards in the respective cases (see Japanese Patent Publication "Kokai" No. 8-186628 (pages 3-4, Figs. 1-5), for example). --

Please replace the paragraph beginning at page 2, line 9, with the following rewritten paragraph:

-- A first characteristic feature of the present invention lies in comprising, as shown in ~~Figs. 1 to 6~~ Figs. 1-4, 5 (a), 5 (b), 5 (c), 6 (a) and 6 (b), contact members 1 having elastically deformable points of contact formed in two locations, and a main connector body 2 for insulating and holding a plurality of contact members 1 arranged at intervals in a width direction with said points of contact A, B in the two locations of the respective contact members 1 being in the same positions as seen in the direction of arrangement, wherein said main connector body 2 includes a pair of socket portions 3 for receiving board ends 10 defining land electrodes 10a, 10b in two rows corresponding to said points of contact A, B of the respective contact members 1 lying in the same positions as seen in the direction of arrangement, so that the land electrodes 10a, 10b are in pressure contact with the corresponding points of contact A, B. --

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Please replace the paragraph beginning at page 4, line 3, with the following rewritten paragraph:

-- A second characteristic feature of the present invention lies in that, in the first characteristic feature, as shown in Figs. ~~4 and 6~~ 4, 6 (a) and 6(b), said contact members 1 are formed in an S-shape as seen in the direction of arrangement, and are held in a middle part of the S-shape by said main connector body 2, with said points of contact A, B being formed in end regions 1a, 1b of the S-shape extending in the same direction in which said board ends 10 are inserted for pressure contact. --

Please replace the paragraph beginning at page 6, line 10, with the following rewritten paragraph:

-- A fifth characteristic feature of the present invention lies in that, in the first or second characteristic feature, as shown in Figs. ~~2 and 6~~ 2, 6 (a) and 6 (b), said contact members 1 are arranged in a plurality of rows with a gap in the directions of insertion of said board ends 10 into said socket portions 3. --

Please replace the paragraph beginning at page 7, line 5, with the following rewritten paragraph:

-- A sixth characteristic feature of the present invention lies in that, in the fifth characteristic feature, as shown in Fig. 5 (b), the positions of said points of contact A, B in the respective rows of said contact members 1 are staggered between the rows. --

Please replace the paragraph beginning at page 8, line 14, with the following rewritten paragraph:

-- An eighth characteristic feature of the present invention lies in that, in the first or second characteristic feature, as shown in Figs. ~~2 and 6~~ 2, 6 (a) and 6 (b), said main connector body 2 includes retainers 6 for pressing on and holding said board ends 10 inserted in said socket portions 3. --

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Please replace the paragraph beginning at page 9, line 3, with the following rewritten paragraph:

-- ~~Fig. 5 is~~ Figs. 5 (a), 5 (b) and 5 (c) are a front view of each a first socket side, and a cross section[,] and a front view of a second side of the connector, respectively; --

Please replace the paragraph beginning at page 9, line 5, with the following rewritten paragraph:

-- ~~Fig. 6 is a view~~ Figs. 6 (a) and 6 (b) are views in vertical section of the connector; --

Please replace the paragraph beginning at page 9, line 8, with the following rewritten paragraph:

-- ~~Fig. 8 is a~~ Figs. 8 (a) and 8 (b) are perspective view views showing an example examples of connection using the connector; --

Please replace the paragraph beginning at page 9, line 10, with the following rewritten paragraph:

-- ~~Fig. 9 is a view~~ Figs. 9 (a) and 9 (b) are views showing an example of mounting of the connector on a device; and --

Please replace the paragraph beginning at page 9, line 12, with the following rewritten paragraph:

-- ~~Fig. 10 is a view~~ Figs. 10 (a), 10 (b) and 10 (c) are views showing examples of mounting on a device of connectors in the prior art. --

Please replace the paragraph beginning at page 9, line 20, with the following rewritten paragraph:

-- As shown in Figs. ~~1-4, through 6~~ 5 (a), 5 (b), 5 (c), 6 (a) and 6 (b), the connector according to this invention includes contact members 1 having elastically deformable points of contact A and B formed in two locations, and a main connector body 2

{W0294154.1}

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for insulating and holding a plurality of contact members 1 arranged at intervals in a width direction with the two points of contact A and B of the respective contact members 1 being in the same positions as seen in the direction of arrangement. Fig. 5 (b) is a cross section taken on line X-X shown in Fig. 5 (a), ~~Fig. 6 is a view~~ Figs. 6 (a) and 6 (b) are views in vertical section taken on line Y-Y shown in Fig. 5 (a). --

Please replace the paragraph beginning at page 12, line 30, with the following rewritten paragraph:

-- Fig. 8 (a) shows a case of first inserting the FPC into one of the socket portions 3 of the connector, and thereafter inserting the printed circuit board into the other socket portion 3 of the connector, and Fig. 8 (b) shows a case of first inserting the printed circuit board into one of the socket portions 3 of the connector, and thereafter inserting the FPC board into the other socket portion 3 of the connector. Although not shown, it is also possible to connect printed circuit boards or FPCs to each other by the same operation. The above printed circuit board and FPC have, formed in each end region thereof, two rows of land electrodes 10a and 10b in forward and rearward positions in the direction of insertion, and staggered by 1/2 pitch (e.g. 0.25mm). --

Please replace the paragraph beginning at page 13, line 18, with the following rewritten paragraph:

-- ~~Next, Fig. 9 shows~~ Figs. 9 (a) and 9 (b) show a case of using connectors of the present invention to connect, at a bending part of a folding type cell phone, the printed circuit boards in the upper case and the printed circuit board in the lower case. Specifically, as shown in Fig. 9 (a), an end of the printed circuit board disposed in each case is inserted into and connected to one of the socket portions 3 of one of the connectors of the present invention. Next, the land electrodes formed at the opposite ends of an FPC disposed in a rolled state at the above bending part are inserted into and connected to the other socket portions 3 of the respective connectors. Fig. 9 (b) shows a perspective view of the FPC alone. --